

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – Crude Oil Storage Tank(s)¹

Permit Number: _____

[Leave blank unless APCD has already assigned a permit # & AIRS ID]

Emission Source AIRS ID: _____ / _____ / _____

Facility Equipment ID: _____ [Provide Facility Equipment ID to identify how this equipment is referenced within your organization.]

Section 01 – Administrative Information

Company Name: _____ NAICS, or
SIC Code: _____

Source Name: _____

Source Location: _____ County: _____
Elevation: _____ Feet

Mailing Address: _____ ZIP Code: _____

Person To Contact: _____ Phone Number: _____

E-mail Address: _____ Fax Number: _____

Section 02 – Requested Action (Check applicable request boxes)

- ☐ Request for NEW INDIVIDUAL permit
- ☐ Request for coverage under GENERAL PERMIT GP08
- ☐ Request MODIFICATION to existing INDIVIDUAL permit (check boxes below)
- ☐ Change process or equipment ☐ Change company name
- ☐ Change permit limit ☐ Transfer of ownership ☐ Other
- ☐ APEN Submittal for Permit Exempt/Grandfathered source
- ☐ APEN Submittal for update only (Please note blank APEN's will not be accepted)

Addl. Info.
& Notes: _____

Section 03 – General Information

For existing sources, operation began on: _____ / _____ / _____

For new or reconstructed sources, the projected startup date is: _____ / _____ / _____

This Storage Tank is Located at: ☐ Exploration & Production (E&P) Site ☐ Midstream or Downstream (Non-E&P) Site

Normal Hours of Source Operation: _____ hours/day _____ days/week _____ weeks/year

Will this equipment be operated in any NAAQS nonattainment area? ☐ Yes ☐ No

Are Flash Emissions anticipated at these tanks ☐ Yes ☐ No

► Are you requesting ≥ 6 ton/yr VOC emissions, or are uncontrolled actual emissions ≥ 6 ton/yr?

☐ Yes ☐ No

► Are these crude oil tanks subject to Colorado Oil and Gas Conservation Commission (COGCC) 805 series rules? If so, submit Form APCD-105.

☐ Yes ☐ No

General description of equipment purpose: _____

Section 04 – Storage Tank(s) Information

Crude Oil Requested Permit Limit: _____ bbl/year
throughput: Actual: _____ bbl/year Actual While Controls Operational: _____ bbl/year

Average API Gravity of Sales Oil: _____ degrees RVP of Sales Oil _____

Tank Design: Fixed Roof: ☐ Internal Floating Roof: ☐ External Floating Roof: ☐

Storage Tank ID	# of Liquid Manifold Storage Vessels in Storage Tank	Total Volume of Storage Tank (bbl)	Installation Date of most recent storage vessel in storage tank (Month/Year)	Date Of First Production (Month/Year)

Wells Serviced by this Storage Tank or Tank Battery (E&P Sites Only)		
API Number	Name of Well	Newly Reported Well
- -		<input type="checkbox"/>
- -		<input type="checkbox"/>
- -		<input type="checkbox"/>
- -		<input type="checkbox"/>
- -		<input type="checkbox"/>

Colorado Department of Public Health and Environment

Air Pollution Control Division (APCD) This notice is valid for five (5) years. Submit a revised APEN prior to expiration of five-year term, or when a significant change is made (increase production, new equipment, change in fuel type, etc).

Mail this form along with a check for \$152.90 per APEN for non-E&P, midstream and downstream sources or \$152.90 for up to five (5) APENs for E&P sources and \$250 for each general permit registration to:

**Colorado Department of Public Health & Environment
APCD-SS-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530**

For guidance on how to complete this APEN form:

Air Pollution Control Division: (303) 692-3150
Small Business Assistance Program (SBAP): (303) 692-3148 or (303) 692-3175

APEN forms: <http://www.colorado.gov/cdphe/oilgasAPENS>

Application status: <http://www.colorado.gov/cdphe/permitstatus>

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Emission Source AIRS ID: _____ / _____ / _____

Section 05 – Stack Information (For Midstream sites only)

Operator Stack ID No.	Stack Base Elevation (feet)	Stack Discharge Height Above Ground Level (feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)

Direction of stack outlet (**check one**): ☐ Vertical ☐ Vertical with obstructing raincap

Exhaust Opening Shape & Size (**check one**): ☐ Circular: Inner Diameter (inches) = _____

Section 06 –Stack (Source, if no combustion) Location (Datum & either Lat/Long or UTM)

Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)

☐ Horizontal ☐ Down ☐ Other (Describe): _____

☐ Other: Length (inches) = _____ Width (inches) = _____

Section 07 – Control Device Information

<input type="checkbox"/> Vapor Recovery Unit (VRU) used for control of the Storage Tank(s) Size: _____ Make/Model: _____ Requested VOC & HAP Control Efficiency: _____ % Annual time that VRU is bypassed (emissions vented): _____ %	<input type="checkbox"/> Combustion Device used for control of the Storage Tank(s) Rating: _____ MMBtu/hr Type: _____ Make/Model: _____ VOC & HAP Control Efficiency: Requested: _____ % Manufacturer Guaranteed: _____ % Minimum temp. to achieve requested control: _____ °F Waste gas heat content: _____ Btu/scf Constant pilot light? <input type="checkbox"/> Yes <input type="checkbox"/> No Pilot burner rating: _____ MMBtu/hr
<input type="checkbox"/> Closed loop system used for control of the storage tank(s) Description: _____	<input type="checkbox"/> Describe Any Other : _____

Section 08 – Gas/Liquids Separation Technology Information (E&P Sites Only)

What is the pressure of the final separator vessel prior to discharge to the storage tank(s)? _____ psig

Please describe the separation process between the well and the storage tanks: _____

Section 09 – Emissions Inventory Information & Emission Control Information

☐ Emission Factor Documentation attached Data year for actual calendar yr. emissions below & throughput in Sec. 04 (e.g. 2007):

Pollutant	Emission Factor		Actual Calendar Year Emission ²		Requested Permitted Emissions		Emission Factor Data Source
	Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
NO _x							
VOC							
CO							
Benzene							
Toluene							
Ethylbenzene							
Xylenes							
n-Hexane							
2,2,4-Trimethylpentane							

Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.

Section 10 –Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct. If this is a registration for coverage under general permit GP08, I further certify that this source is and will be operated in full compliance with each condition of general permit GP08.

Signature of Person Legally Authorized to Supply Data	Date	Name of Legally Authorized Person (Please print)	Title
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¹ You may be charged an additional APEN fee if APEN is filled out incorrectly or missing information and requires re-submittal.

² Annual emissions fees will be based on actual emissions reported here.

Additional Information Required:	<input type="checkbox"/>	Attach a pressurized pre-flash crude oil extended liquids analysis, RVP & API analysis of the post-flash oil		
	<input type="checkbox"/>	Attach E&P Tanks input & emission estimate documentation (or equivalent simulation report/test results)	<input type="checkbox"/>	Check box to request copy of draft permit prior to issuance.
	<input type="checkbox"/>	Attach EPA TANKS emission analysis if emission estimates do not contain working/breathing losses	<input type="checkbox"/>	Check box to request copy of draft permit prior to public notice.